

Fostering Diverse Community Involvement Through Youth Outreach

Lower Duwamish River
Superfund Site
Seattle, WA

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Duwamish River Cleanup Coalition

EPA Community Involvement Conference
June 19, 2007



**In 2001, the EPA listed the
Lower Duwamish River
as one of America's
most toxic sites.**



SEATTLE, WA



Lower
Duwamish
River

Duwamish River Communities



Demographics

	Seattle	98108	South Park
White	70.1%	26.3%	43.6%
Asian	13.1%	43.0%	14.1%
Latino	5.3%	12.2%	37.2%
Non-English Speaking	20.2%	54.6%	47.1%
Median HH Income	\$43,736	\$38,413	\$31,683
Families In Poverty	6.9%	13.0%	12.5%



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ENVIRONMENTAL JUSTICE SURVEY RESULTS

**Community Coalition for Environmental Justice:
Door-to-door Spanish-language survey in South Park**



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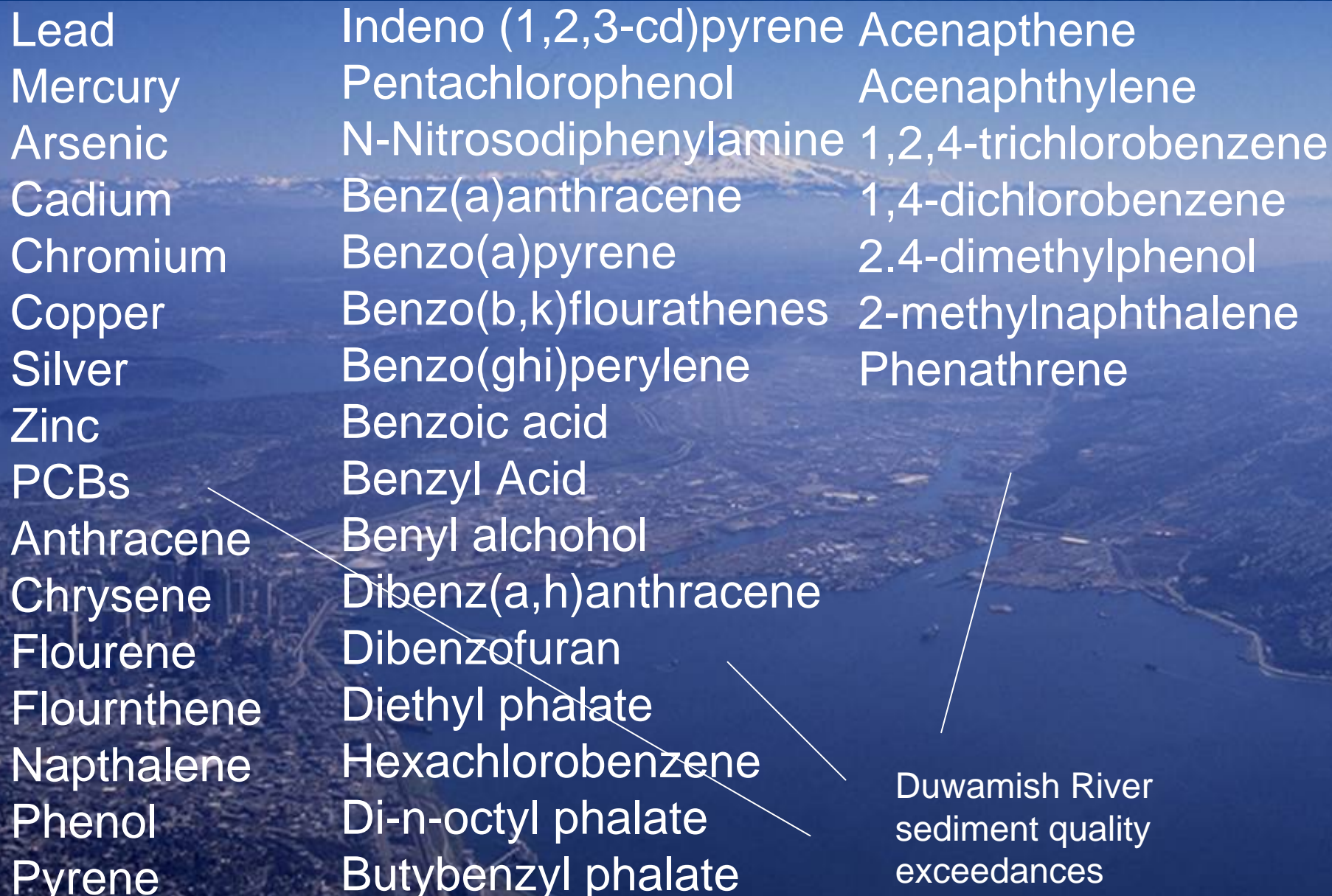
Doesn't change exposure, risk or health status



SEATTLE'S 7 Early Action Cleanup Areas



Health & Environmental Exceedances



Lead	Indeno (1,2,3-cd)pyrene	Acenaphthene
Mercury	Pentachlorophenol	Acenaphthylene
Arsenic	N-Nitrosodiphenylamine	1,2,4-trichlorobenzene
Cadium	Benz(a)anthracene	1,4-dichlorobenzene
Chromium	Benzo(a)pyrene	2,4-dimethylphenol
Copper	Benzo(b,k)flourathenes	2-methylnaphthalene
Silver	Benzo(ghi)perylene	Phenathrene
Zinc	Benzoic acid	
PCBs	Benzyl Acid	
Anthracene	Benyl alchohol	
Chrysene	Dibenz(a,h)anthracene	
Flourene	Dibenzofuran	
Flournthene	Diethyl phalate	
Napthalene	Hexachlorobenzene	
Phenol	Di-n-octyl phalate	
Pyrene	Butybenzyl phalate	

Duwamish River
sediment quality
exceedances

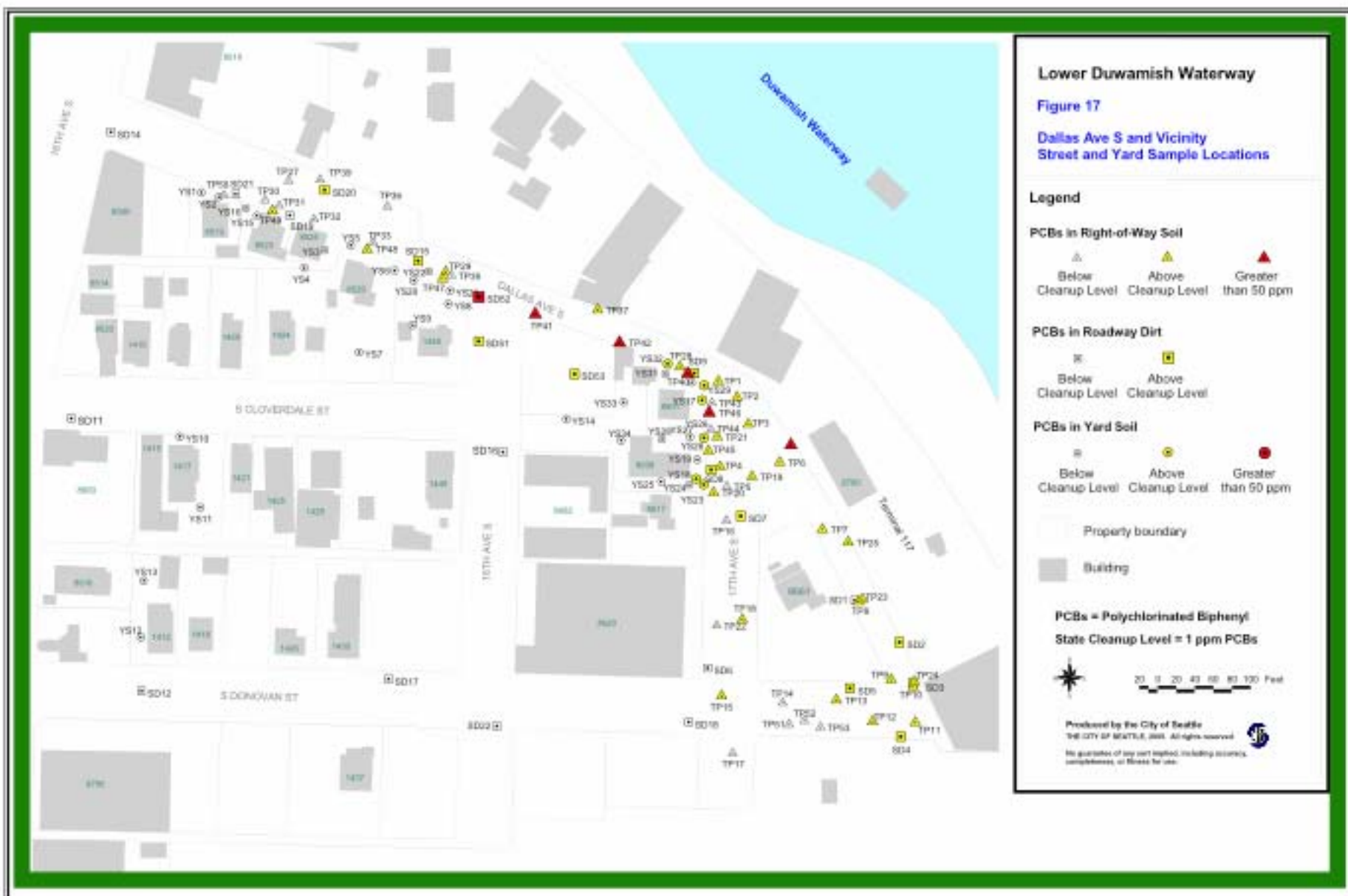


T-117 Early Action Area



- **PCBs in river, uplands, & neighboring streets, yards, and houses (up to 9,200 ppm at facility & 900 ppm in public street; residential standard = 1)**







WASH your hands
well after playing
in the dirt.



Keep dust down
— **DAMP-MOP**
regularly.



WEAR GLOVES
while you garden.



Take your shoes off!
DON'T TRACK DIRT
in the house.

HEALTH & RISK COMMUNICATION:

Provided in English & Spanish
Free blood testing service



Contaminated Beaches



Other exposures

Toxics Release Inventory 2004

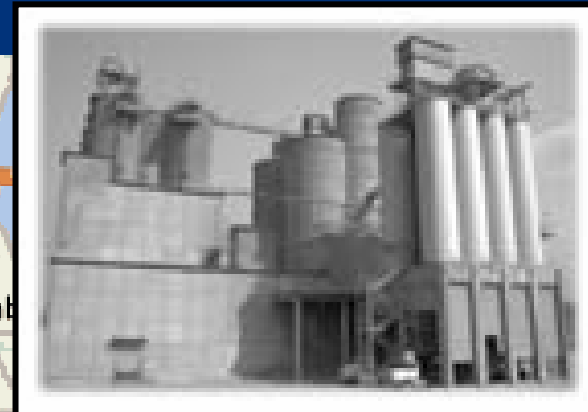
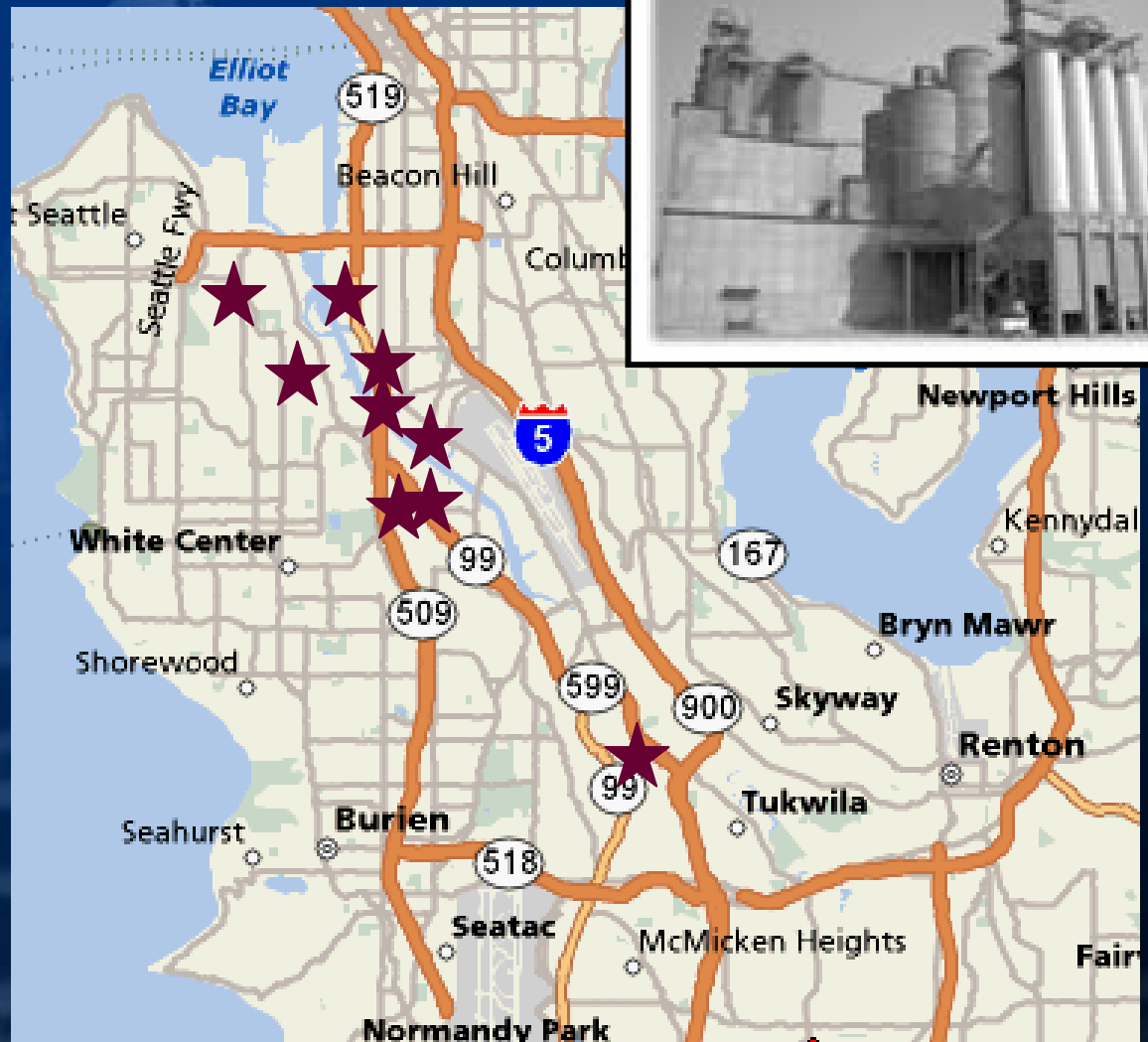
Air Releases
In pounds

*(9 facilities: fugitive
and point source)*

**Lead &
lead compounds:**
876

Mercury:
170

<http://www.epa.gov/tri>



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Spanish language services

- ✓ Spanish language postcards & announcements



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- ✓ Transportation offered
- ✓ Education programs & river boat tours in Spanish





Boat Tours

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Community Events:

Duwamish Tribe's "Singing Feet" perform at the bilingual Duwamish River Festival



“Hands-on” projects



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FOCUS ON YOUTH

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Youth Program

Urban Environmental Justice Youth Corps ~

- Bilingual (English-Spanish) program
- Recruitment targeted to at-risk teens
- Environmental health & justice focus
- School credit (district requirement)
- Community service
- Job training



Measures of Success

- Recruitment
- Youth satisfaction
- Community partners
- Job placement
- Participation in cleanup decisions



Education/Training



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Education/Training

TOPICS

Environmental Cleanup

Environmental Restoration

Environmental Health

Environmental Justice

Gentrification



Education/Training

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TOOLS

Presentations/Speakers

Interactive Workshops

Film/Photography/Art



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**.... To engage teens and help make
the environment relevant**



Field Trips/Job Site Visits



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Community Service



Farm
to
Food
Bank



Job Placement

Summer employment program in national forest

- One week FT paid (minimum wage)
- Partnership with
 - Parks Service
 - Asian/Pacific Islander youth program
 - REI
- Training included



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- ❖ Increases teen's skills to enable participation



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- ❖ Increases teens' **skills** to enable participation
- ❖ **Undetermined** effectiveness in increasing community participation (*stay tuned....*)



Questions?

